WHAT IS CLAIMED IS:

5

10

- 1. A circular-shaped metal structure fabricated by plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive,
- a film composed of one of (a) silicon and fluorocarbon resin and (b) copper being coated on a surface of said circular-shaped metal structure.
 - 2. The circular-shaped metal structure as set forth in claim 1, wherein said film is coated only on an outer surface of said circular-shaped metal structure.
 - 3. The circular-shaped metal structure as set forth in claim 1, wherein a reduction rate of a thickness of said circular-shaped metal structure after plastic-worked to a thickness of said circular-shaped metal structure before plastic-worked is equal to or greater than 40%.
 - 4. The circular-shaped metal structure as set forth in claim 1, wherein said circular-shaped metal structure has a Vickers hardness Hv equal to or greater than 380 after plastic-worked.
- 5. The circular-shaped metal structure as set forth in claim 1, wherein said circular-shaped metal structure has a Vickers hardness Hv in the range of 100 to 250 both inclusive after plastic-worked and then annealed.
- 6. The circular-shaped metal structure as set forth in claim 1, wherein said plastic-working is spinning-working.
 - 7. A circular-shaped metal structure fabricated by plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive, said circular-shaped metal structure being comprised of a plurality of metals

different from one another and integrally rolled.

8. The circular-shaped metal structure as set forth in claim 7, wherein said metals are stainless steel and copper.

5

9. The circular-shaped metal structure as set forth in claim 8, wherein a ratio A:B is in the range of 1:2 to 29:1 both inclusive wherein A indicates a thickness of said stainless steel and B indicates a thickness of said copper.

10

10. The circular-shaped metal structure as set forth in claim 8, wherein said circular-shaped metal structure has a wall thickness of 0.03 mm, in which said stainless steel has a thickness in the range of 0.01 mm to 0.029 mm both inclusive and said copper has a thickness in the range of 0.02 mm to 0.001 mm both inclusive.

15

11. The circular-shaped metal structure as set forth in claim 7, wherein a film composed of silicon and fluorocarbon resin is coated on a surface of said circular-shaped metal structure.

20

12. The circular-shaped metal structure as set forth in claim 11, wherein said film is coated only on an outer surface of said circular shaped metal structure.

- 13. The circular-shaped metal structure as set forth in claim 7, wherein said circular-shaped metal structure is plated at a surface thereof with copper.
- 14. The circular-shaped metal structure as set forth in claim 13, wherein said circular-shaped metal structure is plated only at an outer surface thereof with copper.

- 15. The circular-shaped metal structure as set forth in claim 7, wherein a reduction rate of a thickness of said circular-shaped metal structure after plastic-worked to a thickness of said circular-shaped metal structure before plastic-worked is equal to or greater than 40%.
- 16. The circular-shaped metal structure as set forth in claim 7, wherein said circular-shaped metal structure has a Vickers hardness Hv equal to or greater than 380 after plastic-worked.

10

20

5

- 17. The circular-shaped metal structure as set forth in claim 7, wherein said circular-shaped metal structure has a Vickers hardness Hv in the range of 100 to 250 both inclusive after plastic-worked and then annealed.
- 18. The circular-shaped metal structure as set forth in claim 7, wherein said plastic-working is spinning-working.
 - 19. A method of fabricating a circular-shaped metal structure, comprising: rotating a pipe around an axis thereof, said pipe being composed of plastic-workable metal;

applying drawing to an outer wall of said pipe with said pipe being kept rotated, to reduce a wall thickness of said pipe and lengthen a wall length of said pipe; and

coating a film composed of one of (a) silicon and fluorocarbon resin and (b) copper on a surface of said pipe.

20. The method as set forth in claim 19, wherein said film is coated only on an outer surface of said pipe.

21. A method of fabricating a circular-shaped metal structure, comprising: rolling a plurality of metals different from one another into a piece of metal; fabricating a pipe from said metal;

rotating said pipe around an axis thereof; and

- applying drawing to an outer wall of said pipe with said pipe being kept rotated, to reduce a wall thickness of said pipe and lengthen a wall length of said pipe.
- 22. The method as set forth in claim 21, further comprising coating a film composed of one of (a) silicon and fluorocarbon resin and (b) copper on a surface of said pipe.
 - 23. The method as set forth in claim 22, wherein said metals are stainless steel and copper.

15

- 24. The method as set forth in claim 22, wherein said film is coated only on an outer surface of said pipe.
- 25. A photosensitive drum to be used in an electrophotographic printer, said photosensitive drum being comprised of a circular-shaped metal structure fabricated by plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive, a film composed of one of (a) silicon and fluorocarbon resin and (b) copper being coated on a surface of said circular-shaped metal structure.

25

26. A photosensitive drum to be used in an electrophotographic printer, said photosensitive drum being comprised of a circular-shaped metal structure fabricated by plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive, said circular-shaped metal structure being

comprised of a plurality of metals different from one another and integrally rolled.

- 27. A fixing belt to be used in an electrophotographic printer, said fixing belt being comprised of a circular-shaped metal structure fabricated by plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive, a film composed of one of (a) silicon and fluorocarbon resin and (b) copper being coated on a surface of said circular-shaped metal structure.
- 28. A fixing belt to be used in an electrophotographic printer, said fixing belt being comprised of a circular-shaped metal structure fabricated by plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive, said circular-shaped metal structure being comprised of a plurality of metals different from one another and integrally rolled.

- 29. A roller assembly comprising:
- (a) at least two rollers arranged such that axes of said rollers are directed in parallel to one another; and
 - (b) a belt wound around said rollers,
- said belt being comprised of a circular-shaped metal structure fabricated by plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive, a film composed of one of (a) silicon and fluorocarbon resin and (b) copper being coated on a surface of said circular-shaped metal structure.
- 25 30. A roller assembly comprising:
 - (a) at least two rollers arranged such that axes of said rollers are directed in parallel to one another; and
 - (b) a belt wound around said rollers,
 said belt being comprised of a circular-shaped metal structure fabricated by

plastic-working and having a wall thickness in the range of 0.03 mm to 0.09 mm both inclusive, said circular-shaped metal structure being comprised of a plurality of metals different from one another and integrally rolled.